

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,457,276 B2  
APPLICATION NO. : 10/712613  
DATED : November 25, 2008  
INVENTOR(S) : Katsuaki Abe et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page,

Item (75), "Yamamot" should read -- Yamamoto --.

Column 17,

Claim 10, line 41, before said, insert -- (1) --.

Claim 10, line 44, before said, insert -- (2) --.

Claim 10, line 47, before said, insert -- (3) --.

Claim 10, line 51, before said, insert -- (4) --.

Column 19,

Claim 16, line 36, "Branches\_in" should read -- branches in --.

Claim 16, line 63, "ofpuncturing" should read -- of puncturing --.

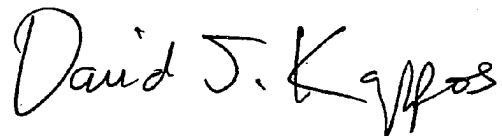
Column 30,

Claim 32, line 34, "providinci" should read -- providing --.

Claim 32, line 35, "aenerated" should read -- generated --.

Signed and Sealed this

Twenty-ninth Day of September, 2009

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style with a large initial 'D' and a stylized 'K'.

David J. Kappos  
*Director of the United States Patent and Trademark Office*